

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

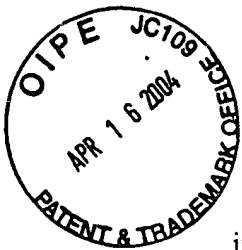
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

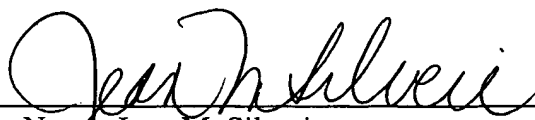
**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



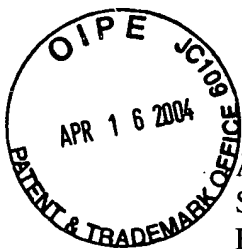
Millennium Pharmaceuticals, Inc. hereby consents to the correction of inventorship on the above-identified patent, so that Veronica Alves is removed as an inventor and Denisa Wagner is added as an inventor.

Date: April 13, 2004

20723648.doc



Name: Jean M. Silveri
Title: Associate General Counsel



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Yan et al. Art Unit : 1654
Serial No. : 10/002,585 Examiner : Roy R. Teller
Filed : November 30, 2001
Title : COMPOUNDS AND METHODS FOR THE MODULATION OF CD154

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PETITION TO CORRECT INVENTORSHIP UNDER 37 CFR 1.48(A)

Applicants hereby petition to correct inventorship on the above-identified patent application by removing Veronica Alves as an inventor and adding Denisa Wagner as an inventor.

In support of this petition, the following documents are filed concurrently herewith:

1. Declaration Under 37 C.F.R. §1.48(a) of Veronica Alves;
2. Declaration Under 37 C.F.R. §1.48(a) of Denisa Wagner;
3. Consent of Assignee to Correct Inventorship, executed by Jean Silveri, Associate General Counsel of Millennium Pharmaceuticals, Inc.;
4. Consent of Assignee to Correct Inventorship, executed by Geoffrey Schmidt, Director, Office of Technology Transfer and Licensing of CBR, Inc.;
5. A Declaration Under 37 CFR §1.63; and
6. Check for \$130.00 in payment of the fee specified by 37 C.F.R. §1.17(i).

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

04/19/2004 WABRIAM2 00000084 10002585

04 FC:1460

130.00 OP

Date of Deposit April 14, 2004

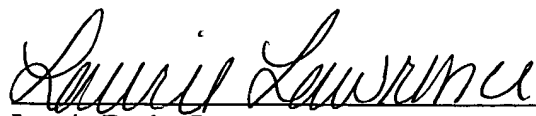
Signature *Alissa Passacantilli*

Alissa Passacantilli
Typed or Printed Name of Person Signing Certificate

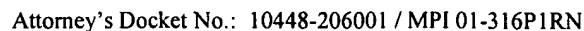
Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 4/14/04


Laurie Butler Lawrence
Reg. No. 46,593

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906
20723586.doc



Applicant : Yan et al. Art Unit : 1654
Serial No. : 10/002,585 Examiner : Roy R. Teller
Filed : November 30, 2001
Title : COMPOUNDS AND METHODS FOR THE MODULATION OF CD154
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I, Denisa D. Wagner, the person being added as an inventor from the above-identified application, declare:

Through error, without any deceptive intention on my part, the above-identified patent was filed without naming me as a co-inventor.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Denisa D. Wagner
Denisa D. Wagner



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Yan et al.
Serial No. : 10/002,585
Filed : November 30, 2001
Title : COMPOUNDS AND METHODS FOR THE MODULATION OF CD154
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Art Unit : 1654
Examiner : Roy R. Teller

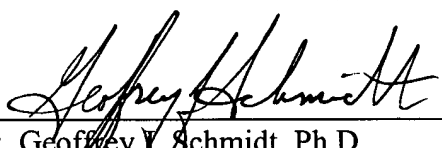
CONSENT OF ASSIGNEE UNDER 37 CFR § 1.48

I am Director, Office of Technology Transfer and Licensing at CBR Institute for Biomedical Research, Inc., F/K/A The Center for Blood Research, Inc., to which the above-identified patent has been assigned. A chain of title from the inventors of the patent application identified above, to the current assignee is shown below. Copies of the assignment are attached.

An assignment from Millennium Pharmaceuticals, Inc. of the patent application identified above to CBR Institute for Biomedical Research, Inc. and Millennium Pharmaceuticals, Inc.

CBR Institute for Biomedical Research, Inc. hereby consents to the correction of inventorship on the above-identified patent, so that Veronica Alves is removed as an inventor, and Denisa Wagner is added as an inventor.

Date: 4/9/04


Name: Geoffrey Y. Schmidt, Ph.D.
Title: Director, Office of Technology
Transfer and Licensing

Attorney's Docket No.: 10448-206001

Client's Ref. No.: MPI 01-316P1RN

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled COMPOUNDS AND METHODS FOR THE MODULATION OF CD154, the specification of which:

- ☐ is attached hereto.
☒ was filed on November 30, 2001 as Application Serial No. 10/002,585 and was amended on _____
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

<u>U.S. Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
60/289,049	05/03/01	abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

P. Louis Myers, Reg. No: 35,965
Leda I. Trivinos, Reg. No: 50,635

Laurie Butler Lawrence, Reg. No. 46,593

Direct all telephone calls to LAURIE BUTLER LAWRENCE at telephone number (617) 521-7814.


Direct all correspondence to the following:

26161
PTO Customer Number

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Attorney's Docket No.: 10448-206001
Client's Ref. No.: MPI 01-316PIRN

Combined Declaration and Power of Attorney
Page 2 of 2 Pages

Full Name of Inventor: DAVID PHILLIPS
Inventor's Signature:  Date: 04/13/04
Residence Address: 520 Harvard Road, San Mateo, CA
Citizenship: United States
Post Office Address: 520 Harvard Road, San Mateo, CA

Full Name of Inventor: PATRICK ANDRE
Inventor's Signature: _____ Date: _____
Residence Address: 950 North Humboldt Street, San Mateo, CA
Citizenship: France
Post Office Address: 950 North Humboldt Street, San Mateo, CA

Full Name of Inventor: DENISA D. WAGNER
Inventor's Signature: _____ Date: _____
Residence Address: 800 Huntington Avenue, Boston, MA
Citizenship: United States
Post Office Address: 800 Huntington Avenue, Boston, MA



Attorney's Docket No.: 10448-206001

Client's Ref. No.: MPI 01-316P1RN

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled COMPOUNDS AND METHODS FOR THE MODULATION OF CD154, the specification of which:

- ☐ is attached hereto.
☒ was filed on November 30, 2001 as Application Serial No. 10/002,585 and was amended on _____
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

<u>U.S. Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
60/289,049	05/03/01	abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

P. Louis Myers, Reg. No: 35,965
Leda I. Trivinos, Reg. No: 50,635

Laurie Butler Lawrence, Reg. No. 46,593

Direct all telephone calls to LAURIE BUTLER LAWRENCE at telephone number (617) 521-7814.

Direct all correspondence to the following:

26161
PTO Customer Number

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Attorney's Docket No.: 10448-206001

Client's Ref. No.: MPI 01-3161RN

Combined Declaration and Power of Attorney

Page 2 of 2 Pages

Full Name of Inventor: DAVID PHILLIPS

Inventor's Signature: _____


Date: _____

Residence Address: 5 Parrott, Drive, San Mateo, CA

Citizenship: United States

Post Office Address: 5 Parrott Drive, San Mateo, CA

Full Name of Inventor: PATRICK ANDRE

Inventor's Signature:  _____

Date: 04.12.04

Residence Address: 950 North Humboldt Street, San Mateo, CA

Citizenship: France

Post Office Address: 950 North Humboldt Street, San Mateo, CA

Full Name of Inventor: DENISA D. WAGNER

Inventor's Signature: _____

Date: _____

Residence Address: 800 Huntington Avenue, Boston, MA

Citizenship: United States

Post Office Address: 800 Huntington Avenue, Boston, MA



Attorney's Docket No.: 10448-206001
Client's Ref. No.: MPI 01-316P1RN

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled COMPOUNDS AND METHODS FOR THE MODULATION OF CD154, the specification of which:

- ☐ is attached hereto.
☒ was filed on November 30, 2001 as Application Serial No. 10/002,585 and was amended on _____.
☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

<u>U.S. Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
60/289,049	05/03/01	abandoned

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

P. Louis Myers, Reg. No: 35,965
Leda I. Trivinos, Reg. No: 50,635

Laurie Butler Lawrence, Reg. No. 46,593

Direct all telephone calls to LAURIE BUTLER LAWRENCE at telephone number (617) 521-7814.

Direct all correspondence to the following:

26161
PTO Customer Number

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Combined Declaration and Power of Attorney

Page 2 of 2 Pages

Full Name of Inventor: DAVID PHILLIPS

Inventor's Signature: _____ Date: _____
Residence Address: 5 Parrott, Drive, San Mateo, CA
Citizenship: United States
Post Office Address: 5 Parrott Drive, San Mateo, CA

Full Name of Inventor: PATRICK ANDRE

Inventor's Signature: _____ Date: _____
Residence Address: 3537 Branson Drive, San Mateo, CA
Citizenship: France
Post Office Address: 3537 Branson Drive, San Mateo, CA

Full Name of Inventor: DENISA D. WAGNER

Inventor's Signature: Denisa D. Wagner Date: 4/12/04
Residence Address: 800 Huntington Avenue, Boston, MA
Citizenship: United States
Post Office Address: 800 Huntington Avenue, Boston, MA

PTO-1595

Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings ⇌ ⇌ ⇌ ▼

RE

12-13-2001



101914661

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yibing YAN
David PHILLIPS
Lisa ALAIMO
Patrick ANDRE
Veronica ALVESAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoMED
11.30.01

2. Name and address of receiving party(ies)

Name: COR Therapeutics, Inc.

Internal Address: _____

Street Address: 256 E. Grand AvenueCity: South San Fr State: CA Zip: 94080Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 11/26/01

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 11/30/01

A. Patent Application No.(s)

10002585

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Carmen PILI EKSTROM
COR Therapeutics, Inc.
Internal Address: _____

HTECKLU1 00000087 10002585

40.00 OP

Street Address: 256 E. Grand AvenueCity: South SF State: CA Zip: 940806. Total number of applications and patents involved: ☐7. Total fee (37 CFR 3.41).....\$ 40☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Carmen PILI EKSTROM
Name of Person Signing

Signature

Date

11/30/01Total number of pages including cover sheet, attachments, and documents: ☐Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

Express Mail Label No.:
Date of Deposit:

Attorney Docket No. COR148)

ASSIGNMENT

We, Yibing Yan, David Phillips, Patrick Andre, Lisa Alaimo, and Veronica Alves, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to COR Therapeutics, a Delaware corporation, with offices at 256 East Grand Avenue, South San Francisco, CA 94080 and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) my entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled: **COMPOUNDS AND METHODS FOR MODULATION OF CD154**

filed with the U.S. Patent and Trademark Office on 11/30/01 and assigned Serial No. _____, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my name as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

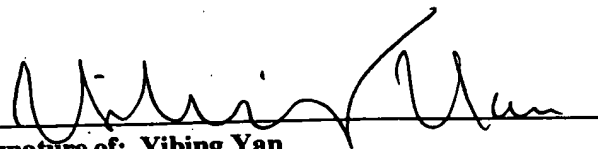
We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Serial No. 10/002585

Filed: _____

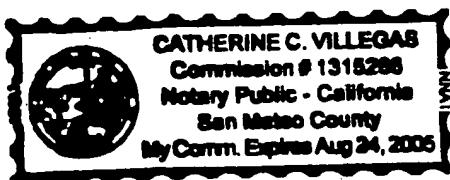
We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. .


Date: 11/26/01


Signature of: Yibing Yan

State of California
County of San Mateo

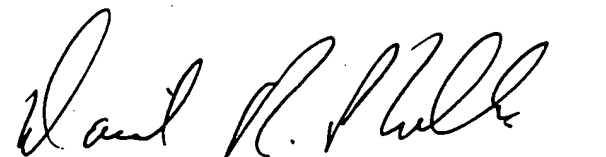
Subscribed and sworn to before me this 26th day of November, 2001.




Notary Public

My commission expires August 24, 2005.

Date: 11/28/01

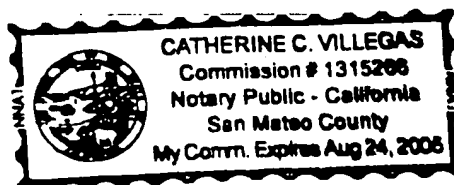

Signature of: David Phillips

State of California
County of San Mateo

Subscribed and sworn to before me this 28th day of November, 2001.


Notary Public

My commission expires August 24, 2005.



Serial No. 10/002585

Filed: _____


Date: 11.27.01


Signature of: Patrick Andre

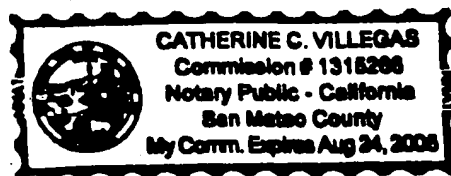
State of California

County of San Mateo

Subscribed and sworn to before me this 27th day of November, 2001.


Notary Public

My commission expires August 24, 2005.



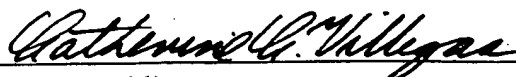
Date: 11-27-01


Signature of: Lisa Alaimo

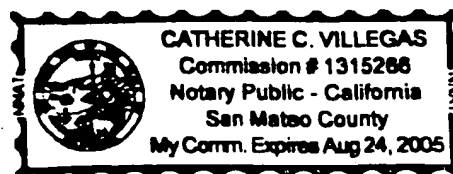
State of California

County of San Mateo

Subscribed and sworn to before me this 27th day of November, 2001.


Notary Public

My commission expires August 24, 2005.



Serial No. 10/002589

Filed:

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. .

Date:

2/28/02

Veronica Alves
Signature of: Veronica Alves

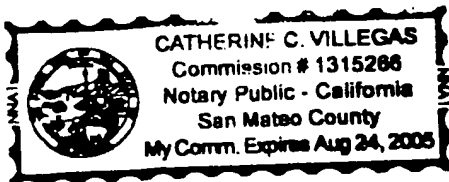
State of

California

County of

San Mateo

Subscribed and sworn to before me this 28th day of February, 2002.



Catherine C. Villegas
Notary Public

My commission expires August 24, 2005.

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"PGM CORPORATION", A DELAWARE CORPORATION,

WITH AND INTO "COR THERAPEUTICS, INC." UNDER THE NAME OF "COR THERAPEUTICS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF FEBRUARY, A.D. 2002, AT 1:30 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE TWELFTH DAY OF FEBRUARY, A.D. 2002, AT 4:01 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE KENT COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

2151084 8100M

020092095

AUTHENTICATION: 1609158

DATE: 02-12-02

CERTIFICATE OF MERGER**OF****PGM CORPORATION**
(a Delaware corporation)**INTO****COR THERAPEUTICS, INC.**
(a Delaware corporation)

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 01:30 PM 02/12/2002
020092095 - 2151084

COR Therapeutics, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, does hereby certify:

FIRST: That the name and state of incorporation of each of the constituent corporations of the merger is as follows:

<u>Name</u>	<u>State of Incorporation</u>
PGM Corporation	Delaware
COR Therapeutics, Inc.	Delaware

SECOND: That an Agreement and Plan of Merger, dated December 5, 2001, by and among Millennium Pharmaceuticals, Inc., a Delaware corporation, PGM Corporation and COR Therapeutics, Inc. setting forth the terms and conditions of the merger of PGM Corporation with and into COR Therapeutics, Inc. has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with the requirements of Subsection (c) of Section 251 of the General Corporation Law of the State of Delaware.

THIRD: That the name of the surviving corporation of the merger is COR Therapeutics, Inc.

FOURTH: That the Restated Certificate of Incorporation of COR Therapeutics, Inc., a Delaware corporation which will survive the merger, shall be the Restated Certificate of Incorporation of the surviving corporation, and shall be amended so that Article FOURTH of such Restated Certificate of Incorporation reads in its entirety as follows:

"FOURTH: The total number of shares of all classes of stock which the Corporation shall have authority to issue is 1,000, all of which shall consist of common stock, \$.01 par value per share."

FIFTH: That the executed Agreement and Plan of Merger is on file at the principal place of business of the surviving corporation. The address of said principal place of business is COR Therapeutics, Inc., 256 E. Grand Avenue, South San Francisco, California, 94080.

SIXTH: That a copy of the Agreement and Plan of Merger will be furnished by the surviving corporation upon request and without cost to any stockholder of any constituent corporation.

SEVENTH: That this Certificate of Merger shall be effective as of 4:01 p.m. Eastern Standard Time on February 12, 2002.

IN WITNESS WHEREOF, COR Therapeutics, Inc. has caused this Certificate to be executed by its President and Chief Executive Officer and attested by its Secretary this 12th day of February, 2002.

COR THERAPEUTICS, INC.

(a Delaware corporation)

By: /s/ Vaughn M. Kailian
Vaughn M. Kailian
President and
Chief Executive Officer

Dated: February 12, 2002

ATTEST:

/s/ Patrick A. Broderick
Patrick A. Broderick
Secretary

Delaware

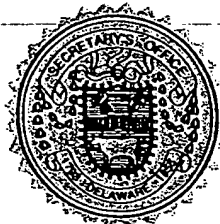
PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"COR THERAPEUTICS, INC.", A DELAWARE CORPORATION,
WITH AND INTO "MILLENNIUM PHARMACEUTICALS, INC." UNDER THE NAME OF "MILLENNIUM PHARMACEUTICALS, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWELFTH DAY OF FEBRUARY, A.D. 2002, AT 6 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

2322355 8100M

AUTHENTICATION: 1610075

020093846

DATE: 02-12-02

CERTIFICATE OF OWNERSHIP AND MERGER

MERGING

COR THERAPEUTICS, INC.
(a Delaware corporation)

INTO

MILLENNIUM PHARMACEUTICALS, INC.
(a Delaware corporation)

Millennium Pharmaceuticals, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify:

FIRST: That the Corporation was incorporated on the 13th day of January, 1993, pursuant to the General Corporation Law of the State of Delaware.

SECOND: That the Corporation owns all of the outstanding shares of each class of the stock of COR Therapeutics, Inc., a corporation incorporated on the 4th day of February, 1988 pursuant to the General Corporation Law of the State of Delaware.

THIRD: That the Board of Directors of the Corporation, by written action in lieu of a meeting dated the 4th day of February, 2002, duly adopted the following resolutions:

RESOLVED: That, pursuant to Section 253 of the Delaware General Corporation Law, the Corporation is hereby authorized to merge COR Therapeutics, Inc., a Delaware corporation which is a wholly owned subsidiary of the Corporation, into the Corporation;

RESOLVED: That the President and Secretary of the Corporation be, and each of them hereby is, authorized to execute a Certificate of Ownership and Merger with respect to the merger of COR Therapeutics, Inc. into the Corporation, cause the same to be filed with the Secretary of State of the State of Delaware and take all such other actions and to execute all such other instruments and agreements as the officer or officers so acting may deem appropriate to effect such merger;




RESOLVED: That the merger of COR Therapeutics, Inc. into the Corporation shall be effective upon the filing of a Certificate of Ownership and Merger with the Secretary of State of the State of Delaware.

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be signed by its authorized officer this 12th day of February, 2002.

MILLENNIUM
PHARMACEUTICALS, INC.

By: /s/ Mark J. Levin
Title: President

RECORDATION FORM COVER SHEET PATENTS ONLY

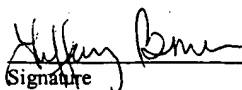
Commissioner for Patents: Please record the attached original document(s) or copy(ies).				
1. Name of conveying party(ies): Millenium Pharmaceuticals, Inc. Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): CBR, Inc. 800 Huntington Avenue Boston, MA 02115 Millenium Pharmaceuticals, Inc. 775 Sidney Street Cambridge, MA 02139-4169 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: October 7, 2003				
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 10/002,585 B: Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name/address of party to whom correspondence concerning document should be mailed: LAURIE BUTLER LAWRENCE Fish & Richardson 225 Franklin Street Boston, MA 02110	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.			
DO NOT USE THIS SPACE				
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <table><tr><td>Laurie Butler Lawrence Reg. No. 46,593 Name of Person Signing</td><td> Signature</td><td>10/9/03 Date</td></tr></table>		Laurie Butler Lawrence Reg. No. 46,593 Name of Person Signing	 Signature	10/9/03 Date
Laurie Butler Lawrence Reg. No. 46,593 Name of Person Signing	 Signature	10/9/03 Date		
Total number of pages including coversheet, attachments and document: pages				

20736006.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Mail Stop Assignment Recordation Services, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 9, 2003
Date of Deposit


Signature

Tiffany M. Brown
Typed Name of Person Signing Certificate

ASSIGNMENT

For valuable consideration, Millennium Pharmaceuticals, Inc., to which the above-identified application has been assigned, hereby assigns to: CBR, Inc., a Massachusetts corporation having a place of business at 800 Huntington Avenue, Boston, MA 02115 and Millennium Pharmaceuticals, Inc., a Delaware corporation having a place of business at 75 Sidney Street, Cambridge, MA 02139-4169, their successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions which are subject of an application for United States Patent assigned to us by the inventors, entitled *Compounds and Methods for the Modulation of CD154*, filed November 30, 2001, and assigned U.S. Serial Number 10/002,585; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge, MA,
this 7th day of October, 2003.

MILLENNIUM PHARMACEUTICALS, INC.

Jean M. Silveri L.S.
Jean M. Silveri, Associate General Counsel

State of Massachusetts :

: ss.

County of Middlesex :

Before me this 7th day of October, 2003, personally appeared Jean M. Silveri, Associate General Counsel known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that she executed the same as the free act and deed of Millennium Pharmaceuticals, Inc.

Simonne Corriveau
Notary Public – Simonne Corriveau
My Commission Expires: September 1, 2006

[Notary's Seal Here]

PTO CHECK REQUEST

10/9/03

Date Requested	10/9/2003			
Requested By	Laurie Butler Lawrence/tzb			
Matter Name	Compounds and Methods for the Modulation of CD154			
Matter ID	10448-206001			
Payable To	Commissioner of Patents and Trademarks			
Check No.				
Check Date				
Check Amount	\$40			

Category	Amount	Client Share	Partner Share	Office Share
810 Assignment Recordal Fee	\$40	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
1 Month <input type="checkbox"/> Small Entity-\$55 <input type="checkbox"/> Large Entity-\$110	\$	\$	\$	\$
2 Month <input type="checkbox"/> Small Entity-\$210 <input type="checkbox"/> Large Entity-\$420	\$	\$	\$	\$
3 Month <input type="checkbox"/> Small Entity-\$475 <input type="checkbox"/> Large Entity-\$950	\$	\$	\$	\$
4 Month <input type="checkbox"/> Small Entity-\$740 <input type="checkbox"/> Large Entity-\$1480	\$	\$	\$	\$
5 Month <input type="checkbox"/> Small Entity-\$1005 <input type="checkbox"/> Large Entity-\$2010	\$	\$	\$	\$
Billing Attorney	Louis Myers			
Charge Office¹				
Explanation				
Responsible Attorney Signature		Date		
Approval Signature²	_____ GRLee	Date		

20736011.doc

¹ If charged to office, the remainder of the form must be completed. If an extension fee, continuation, divisional, or fwc filing fee, or notice of appeal fee is charged to the office, the responsible partner shares the cost and must sign this request. In cases of combined attorney/client delay, the partner is expected to bill a reasonable amount to the client. Any remaining amount will be divided between the partner and the office according to the applicable percentage (0% of month 1 fee + 25% of month 2 fee + 50% of month 3 fee + 50% of month 4 fee).

² All client-related office charges greater than \$200 must be approved by GRLee. If advance approval is not possible, the person requesting the check must submit a write off request to GRLee as soon as possible. Forms are found in Public Folders..